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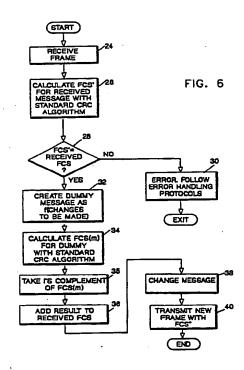
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Method of maintaining integrity of data during message transmission in a data communication system.

for in complex networks, data frames may be routed through different systems having different frame or addressing requirements. When the frames are transferred or bridged between such systems, known changes may have to be made in the frame contents to accommodate these requirements. To maintain the integrity of error checking provided by Cyclical Redundancy Checking (CRC) techniques, a system receiving frame modifies a Frame Check Sequence (FCS) field value only as a function of the known or planned changes to be made in the frame. If unplanded changes, that is errors, are introduced at the receiving system, application of standard CRC error checking techniques at the next system to receive the frame will indicate those errors.



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EUROPEAN SEARCH REPORT

Application Number

EP 89 48 0161

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		IDERED TO BE RELEV			
Category	Ortation of document with of relevant p	indication, where appropriate, passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)	
Α	EP-A-O 163 999 (I * Page 4, line 20 page 10, lines 19-	- page 5, line 6;	1	H 04 L 1/00 H 04 L 12/42	
A	NAVY TECHNICAL DIS vol. 5, no. 9, Sep 15-22, Arlington, "Error-free digita system" * Page 17, lines 5	tember 1980, pages US; E.R. REINS: 1 communication	1		
A	IEEE TRANSACTIONS (AND SYSTEMS, vol. August 1984, pages DAMKSER: "Distributheir security and * Page 2060, lines	PAS-103, no. 8, 2058-2064; D.J. ted control messages, efficiency"	2		
				TECHNICAL FIELDS SEARCHED (Int. CL5)	
				H 04 L	
	The present search report has b	een drawn up for all claims	_		
Place of search Date of completion of the search				Examiner	
THE HAGUE		04-10-1990	CRE	CRETAINE P.A.	
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document		E: earlier patent after the filin pther D: document cit L: document cit & : member of the	T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons &: member of the same patent family, corresponding document		

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